

DENON

AM-FM STEREO RECEIVER

DRA-375RD/275RD

OPERATING INSTRUCTIONS

BEDIENUNGSANLEITUNG

MODE D'EMPLOI

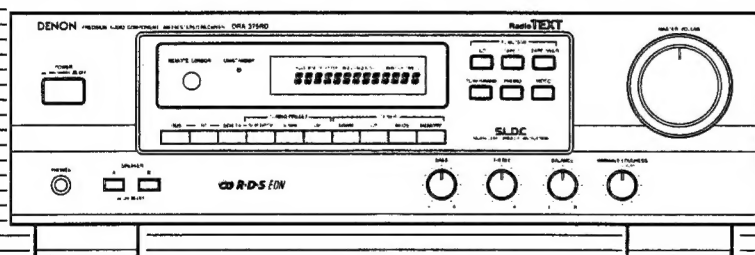
ISTRUZIONI PER L'USO

INSTRUCCIONES DE OPERACION

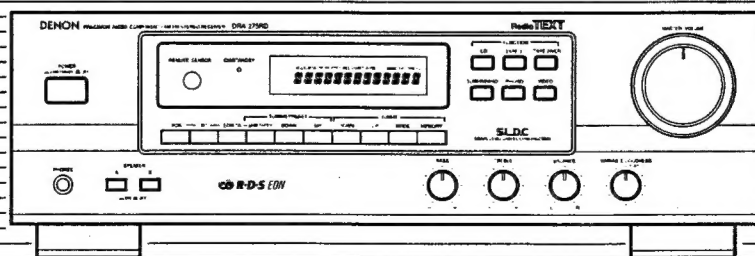
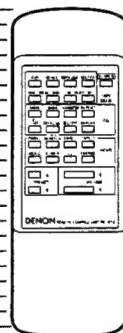
GEBRUIKSAANWIJZING

BRUKSANVISNING

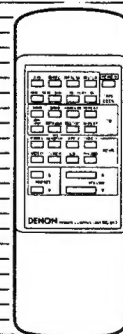
INSTRUÇÕES DE OPERAÇÃO



DRA-375RD



DRA-275RD



FOR ENGLISH READERS

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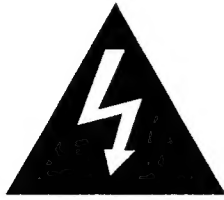
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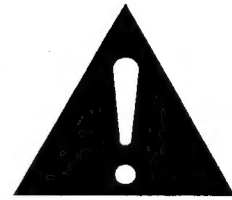
"SERIAL NO. _____"

PLEASE RECORD UNIT SERIAL NUMBER ATTACHED TO THE REAR OF THE CABINET FOR FUTURE REFERENCE"

• SAFETY PRECAUTIONS



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

● **DECLARATION OF CONFORMITY**

We declare under our sole responsibility that this product, to which this declaration relates, is in conformity with the following standards: EN60065, EN55013, EN55020, EN60555-2 and EN60555-3. Following the provisions of 73/23/EEC, 89/336/EEC and 93/68/EEC Directive.

● **ÜBEREINSTIMMUNGSERKLÄRUNG**

Wir erklären unter unserer Verantwortung, daß dieses Produkt, auf das sich diese Erklärung bezieht, den folgenden Standards entspricht: EN60065, EN55013, EN55020, EN60555-2 und EN60555-3. Entspricht den Verordnungen der Direktive 73/23/EEC, 89/336/EEC und 93/68/EEC.

● **DECLARATION DE CONFORMITE**

Nous déclarons sous notre seule responsabilité que l'appareil, auquel se réfère cette déclaration, est conforme aux standards suivants: EN60065, EN55013, EN55020, EN60555-2 et EN60555-3. D'après les dispositions de la Directive 73/23/EEC, 89/336/EEC et 93/68/EEC.

● **DICHIARAZIONE DI CONFORMITÀ**

Dichiariamo con piena responsabilità che questo prodotto, al quale la nostra dichiarazione si riferisce, è conforme alle seguenti normative: EN60065, EN55013, EN55020, EN60555-2 e EN60555-3. In conformità con le condizioni delle direttive 73/23/EEC, 89/336/EEC e 93/68/EEC. QUESTO PRODOTTO E' CONFORME AL D.M. 28/08/95 N. 548

● **DECLARACIÓN DE CONFORMIDAD**

Declaramos bajo nuestra exclusiva responsabilidad que este producto al que hace referencia esta declaración, está conforme con los siguientes estándares: EN60065, EN55013, EN55020, EN60555-2 y EN60555-3. Siguiendo las provisiones de las Directivas 73/23/EEC, 89/336/EEC y 93/68/EEC.

● **EENVORMIGHEIDSVERKLARING**

Wij verklaren uitsluitend op onze verantwoordelijkheid dat dit product, waarop deze verklaring betrekking heeft, in overeenstemming is met de volgende normen: EN60065, EN55013, EN55020, EN60555-2 en EN60555-3. Volgens de bepalingen van de Richtlijnen 73/23/EEC, 89/336/EEC en 93/68/EEC.

● **ÖVERENSSTÄMMELSESINTYG**

Härmed intygas helt på eget ansvar att denna produkt, vilken detta intyg avser, uppfyller följande standarder: EN60065, EN55013, EN55020, EN60555-2 och EN60555-3. Enligt stadgarna i direktiv 73/23/EEC, 89/336/EEC och 93/68/EEC.

● **DECLARAÇÃO DE CONFORMIDADE**

Declaramos sob nossa exclusiva responsabilidade que este produto, ao qual esta declaração corresponde, está em conformidade com as seguintes normas: EN60065, EN55013, EN55020, EN60555-2 e EN60555-3. De acordo com o estabelecido nas Directivas 73/23/EEC, 89/336/EEC e 93/68/EEC.

PRECAUTIONS FOR INSTALLATION

- DRA-375RD/275RD always install horizontally.
- For heat dispersal, leave at least 10 cm of space between the top, back and sides of this unit and the wall or other components.

VORKEHRUNGEN FÜR DIE AUFSTELLUNG

- Der DRA-375RD/275RD ist stets waagrecht aufzustellen.
- Lassen Sie zur Wärmeverteilung mindestens 10 cm Raum zwischen der Oberseite, der Rückseite und den Seiten des Gerätes und der Wand oder anderen Komponenten.

PRÉCAUTIONS D'INSTALLATION

- Le DRA-375RD/275RD doit toujours être installé horizontalement.
- Afin de disperser la chaleur, laisser un espace d'au moins 10 cm entre le haut, l'arrière et les côtés de cet appareil et le mur ou un autre composant.

PRECAUZIONI PER L'INSTALLAZIONE

- Il DRA-375RD/275RD viene sempre installato in modo orizzontale.
- Per consentire una buona dispersione del calore, lasciate uno spazio di almeno 10 cm tra le parti superiore, posteriore e laterali di quest'unità e la parete o gli altri componenti.

PRECAUCIONES PARA LA INSTALACION

- Instale siempre el DRA-375RD/275RD en posición horizontal.
- Para que el calor se disipe, deje por lo menos 10 cm de espacio entre las partes superior, posterior y laterales de esta unidad y la pared u otros componentes.

VOORZORGSMAATREGELEN VOOR INSTALLATIE

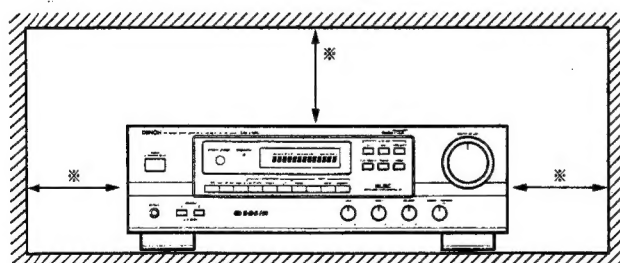
- De DRA-375RD/275RD altijd horizontaal plaatsen.
- Laat voor een goede warmteafvoer minstens 10 cm ruimte tussen de boven-, achter- en zijkanen van dit toestel en de muur of andere elementen.

FÖRBEREDELSE FÖR INSTALLATION

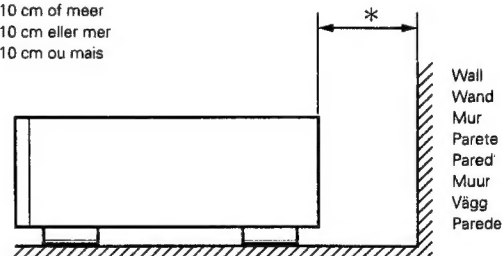
- Installera alltid DRA-375RD/275RD horisontellt.
- För god värmeavledning, bör du lämna ett utrymme på minst 10 cm ovanför, bakom och på sidorna av apparaten och väggen eller andra komponenter.

PRECAUÇÕES PARA A INSTALAÇÃO

- Instale sempre horizontalmente o DRA-375RD/275RD.
- Para a dissipação do calor, deixar pelo menos 10 cm de espaço entre o topo, a parte de trás e os lados desta unidade e a parede ou outros componentes.

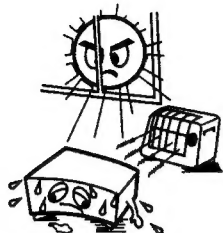


* 10 cm or more
10 cm oder mehr
10 cm ou plus
10 cm o più
10 cm o più
10 cm of meer
10 cm eller mer
10 cm ou mais



Wall
Wand
Mur
Parete
Pared
Muur
Vägg
Parede

**NOTE ON USE / HINWEISE ZUM GEBRAUCH / OBSERVATIONS RELATIVES A L'UTILISATION
NOTE SULL'USO / NOTAS SOBRE EL USO / ALVORENS TE GEBRUIKEN / OBSERVERA
OBSERVAÇÕES QUANTO AO USO**



- Avoid high temperatures
Allow for sufficient heat dispersion when installed on a rack.
- Vermeiden Sie hohe Temperaturen
Beachten Sie, daß eine ausreichend Luftzirkulation gewährleistet wird, wenn das Gerät auf ein Regal gestellt wird.
- Eviter des températures élevées
Tenir compte d'une dispersion de chaleur suffisante lors de l'installation sur une étagère.
- Evitate di esporre l'unità a temperature alte.
Assicuratevi che ci sia un'adeguata dispersione del calore quando installate l'unità in un mobile per componenti audio.
- Evite altas temperaturas
Permite la suficiente dispersión del calor cuando está instalado en la consola.
- Vermijd hoge temperaturen.
Zorg voor een degelijk hitteafvoer indien het apparaat op een rek wordt geplaatst.
- Undvik höga temperaturer.
Se till att det finns möjlighet till god värmeavledning vid montering i ett rack.
- Evite temperaturas altas
Conceda suficiente dispersão de calor quando o equipamento for instalado numa prateleira.



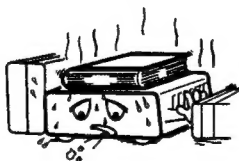
- Handle the power cord carefully.
Hold the plug when unplugging the cord.
- Gehen Sie vorsichtig mit dem Netzkabel um.
Halten Sie das Kabel am Stecker, wenn Sie den Stecker herausziehen.
- Manipuler le cordon d'alimentation avec précaution.
Tenir la prise lors du débranchement du cordon.
- Maneggiare il filo di alimentazione con cura.
Agire per la spina quando scollegate il cavo dalla presa.
- Maneje el cordón de energía con cuidado.
Sostenga el enchufe cuando desconecte el cordón de energía.
- Hanteer het netsnoer voorzichtig.
Houd het snoer bij de stekker vast wanneer deze moet worden aan- of losgekoppeld.
- Hantera nätkabeln varsamt.
Håll i kabeln när den kopplas från el-uttaget.
- Manuseie com cuidado o fio condutor de energia.
Segure a tomada ao desconectar o fio.



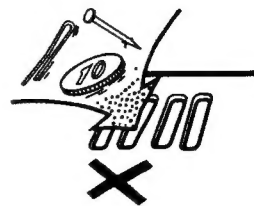
- Keep the set free from moisture, water, and dust.
- Halten Sie das Gerät von Feuchtigkeit, Wasser und Staub fern.
- Protéger l'appareil contre l'humidité, l'eau et la poussière.
- Tenete l'unità lontana dall'umidità, dall'acqua e dalla polvere.
- Mantenga el equipo libre de humedad, agua y polvo.
- Laat geen vochtigheid, water of stof in het apparaat binnendringen.
- Utsätt inte apparaten för fukt, vatten och damm.
- Mantenha o aparelho livre de qualquer umidade, água ou poeira.



- Unplug the power cord when not using the set for long periods of time.
- Wenn das Gerät eine längere Zeit nicht verwendet werden soll, trennen Sie das Netzkabel vom Netzstecker.
- Débrancher le cordon d'alimentation lorsque l'appareil n'est pas utilisé pendant de longues périodes.
- Disinnestate il filo di alimentazione quando avete l'intenzione di non usare il filo di alimentazione per un lungo periodo di tempo.
- Desconecte el cordón de energía cuando no utilice el equipo por mucho tiempo.
- Neem altijd het netsnoer uit het stopcontact wanneer het apparaat gedurende een lange periode niet wordt gebruikt.
- Koppla ur nätkabeln om apparaten inte kommer att användas i lång tid.
- Desligue o fio condutor de força quando o aparelho não tiver que ser usado por um longo período.



- Do not obstruct the ventilation holes.
- Die Belüftungsöffnungen dürfen nicht verdeckt werden.
- Ne pas obstruer les trous d'aération.
- Non coprite i fori di ventilazione.
- No obstruya los orificios de ventilación.
- De ventilatieopeningen mogen niet worden geblokkeerd.
- Täpp inte till ventilationsöppningarna.
- Não obstrua os orifícios de ventilação.



- Do not let foreign objects in the set.
- Keine fremden Gegenstände in das Gerät kommen lassen.
- Ne pas laisser des objets étrangers dans l'appareil.
- E' importante che nessun oggetto è inserito all'interno dell'unità.
- No deje objetos extraños dentro del equipo.
- Laat geen vreemde voorwerpen in dit apparaat vallen.
- Se till att främmande föremål inte tränger in i apparaten.
- Não deixe objetos estranhos no aparelho.

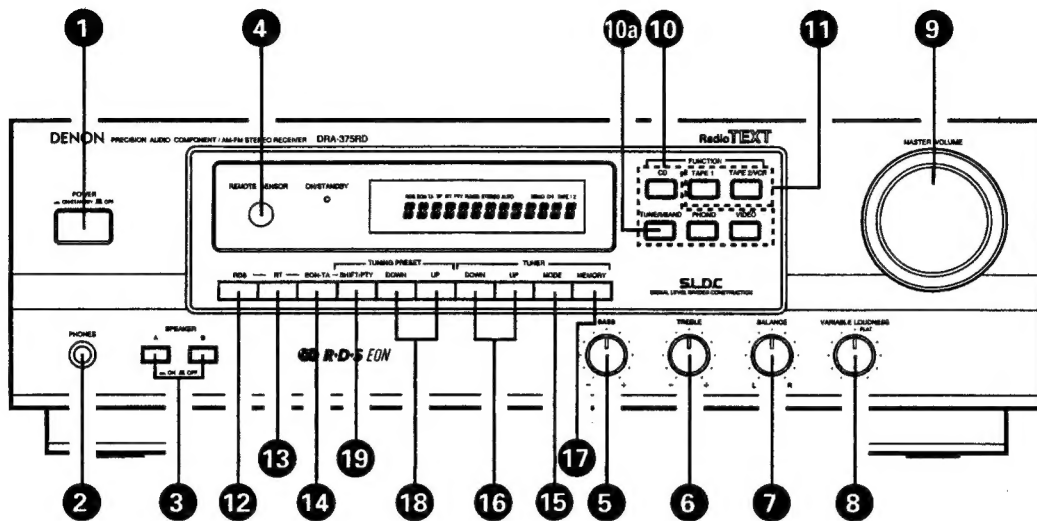


- Do not let insecticides, benzene, and thinner come in contact with the set.
- Lassen Sie das Gerät nicht mit Insektiziden, Benzin oder Verdünnungsmitteln in Berührung kommen.
- Ne pas mettre en contact des insecticides, du benzène et un diluant avec l'appareil.
- Assicuratevi che l'unità non venga in contatto con insetticidi, benzolo o solventi.
- No permita el contacto de insecticidas, gasolina y diluyentes con el equipo.
- Laat geen insectenverdelgende middelen, benzine of verdundunners met dit apparaat in contact komen.
- Se till att inte insektsmedel på spraybruk, bensin och thinner kommer i kontakt med apparatens hölje.
- Não permita que inseticidas, benzina e dissolvente entrem em contacto com o aparelho.

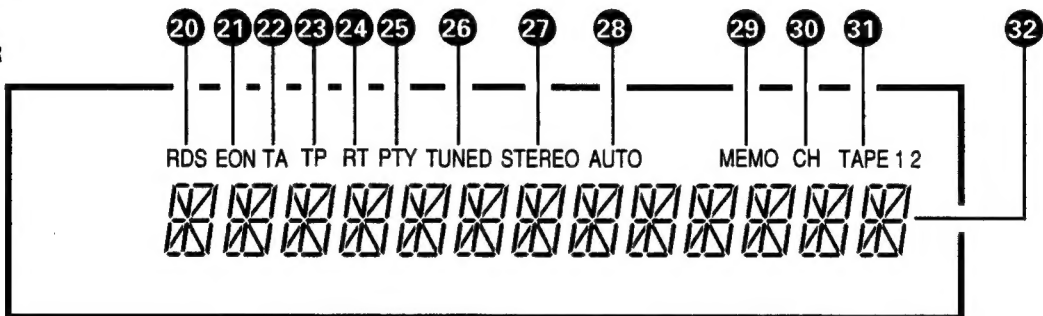


- Never disassemble or modify the set in any way.
- Versuchen Sie niemals das Gerät auseinander zu nehmen oder auf jegliche Art zu verändern.
- Ne jamais démonter ou modifier l'appareil d'une manière ou d'une autre.
- Non smontare mai, nè modificate l'unità in nessun modo.
- Nunca desarme o modifique el equipo de ninguna manera.
- Nooit dit apparaat demonteren of op andere wijze modifieren.
- Ta inte isär apparaten och försök inte bygga om den.
- Nunca desmonte ou modifique o aparelho de alguma forma.

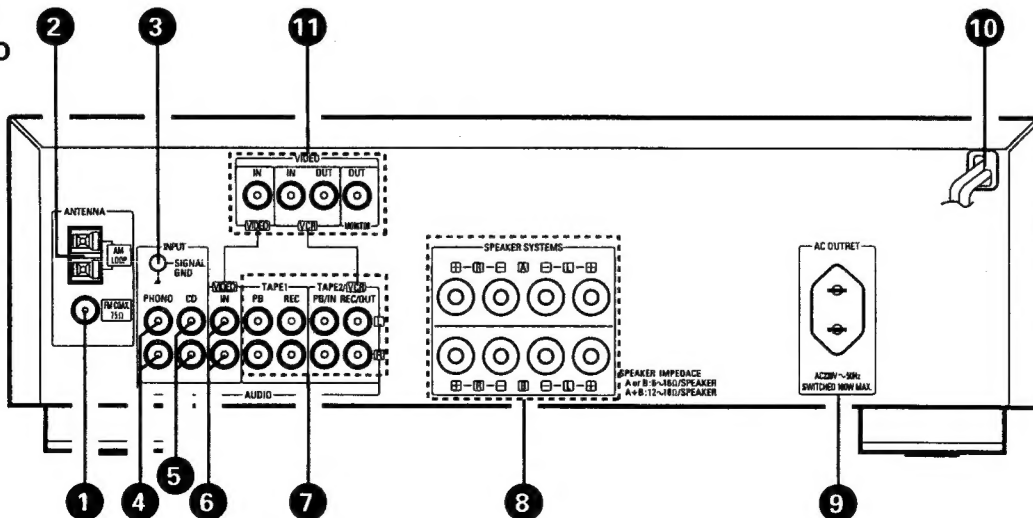
PAINEL FRONTAL



DISPLAYEN



BAKSIDAN



ENGLISH

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Please check to make sure the following items are included with the main unit in the carton:

(1) Operating Instructions	1
(2) AM Loop Antenna	1
(3) FM Indoor Antenna	1
(4) Remote Control Unit RC-812	1
(5) Batteries R6 (AA)	2

DEUTSCH

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Bitte überprüfen Sie, ob die folgenden Teile vollständig in der Verpackung enthalten sind:

(1) Bedienungsanleitung	1
(2) AM-Rahmenantenne	1
(3) UKW-Antenne	1
(4) Fernbedienungsgerät RC-812	1
(5) Trocken-Zelle-Batterie R6 (AA)	2

FRANCAIS

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Veuillez contrôler que les articles suivants sont bien joints à l'appareil principal dans le carton:

(1) Mode d'emploi	1
(2) Antenne Cadre AM	1
(3) Antenne FM Interieure	1
(4) Télécommande RC-812	1
(5) Piles de format R6 (AA)	2

ITALIANO

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Controllare che le parti seguenti si trovino imballate con l'apparecchio nella scatola di spedizione.

(1) Istruzioni per l'uso	1
(2) Antenna AM a telaio	1
(3) Antenna FM	1
(4) Telecomando RC-812	1
(5) Batteria a secco R6 (AA)	2

ESPAÑOL

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Por favor verifique asegurandose de que los siguientes articulos son empacados en la caja pero separados de la unidad principal.

(1) Instrucciones de operación	1
(2) Antena AM de Cuadro	1
(3) Antena FM Interior	1
(4) Unidad de control remoto RC-812	1
(5) Pilas secas R6 (AA)	2

NEDERLANDS

— INHOUD —

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Kontroleer of de volgende accessoires bij het hoofdtoestel in de doos zijn verpakt:

(1) Gebruiksaanwijzing	1
(2) AM-raamantenne	1
(3) FM-antenne	1
(4) Afstandsbediening RC-812	1
(5) R6 (AA) droge cel batterij	2

SVENSKA

— INNEHÅLL —

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Kontrollera att följande tillbehör har packats ner i kartongen tillsammans med huvudenheten.

(1) Bruksanvisning	1
(2) Ramantenn för AM-bruk	1
(3) FM-antenn	1
(4) Fjärrkontroll RC-812	1
(5) R6 (AA) torrbatteri	2

PORTUGUÊS

— CONTEÚDO —

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Certifique-se de que as seguintes peças estão incluídas na embalagem fora de unidade principal:

(1) Instruções de operação	1
(2) Antena de quadro AM	1
(3) Antena FM	1
(4) Controlo remoto RC-812	1
(5) Pilhas R6 (AA)	2

DESIGNATIONS AND FUNCTIONS OF PANEL CONTROLS (Refer to Page 5.)

FRONT PANEL

1 POWER (Power ON / STANDBY OFF Switch)

This switch turns the unit ON or OFF. There is a delay of a few seconds before the unit will operate after this power switch is turned ON. If the unit is turned OFF from the remote control, the unit will be in the STANDBY mode. When in the STANDBY mode, the unit can be turned ON with the power button on the remote control. If the unit will not be used for extended period, be sure to turn the unit OFF from the front panel power switch.

NOTE: This unit includes a STANDBY protection feature. This feature is designed to prevent accidental turn-on from the STANDBY mode in the event of a power failure. Should AC power be disconnected and then reconnected when the unit is in STANDBY mode, the unit will return to the STANDBY mode. To turn the unit ON from the STANDBY mode without the remote control, operate the front panel power switch twice. The unit will then operate normally.

2 PHONES (Headphones jack)

Connect the headphones to the PHONES jacks.


When listening with headphones privately, set A, B SPEAKER switches to the OFF position.

NOTE:

To prevent hearing loss, do not raise the volume level excessively when using headphones.

3 SPEAKER (Speaker selector switches)

These switches are used to engage speaker system A and B.

No sound is heard through the speakers when both switches are set to the () position.

4 REMOTE SENSOR (Remote control sensor)

This sensor receives the infra-red light transmitted from the wireless remote control unit.

For remote control, point the wireless remote control unit towards the sensor.

5 BASS (Bass control)

Use this control to adjust the low-range response.

When the control is set to the center position, the frequency characteristic curve (below 1,000 Hz) is flat. Turn the control clockwise to increase the bass response and counterclockwise to decrease it.

6 TREBLE (Treble control)

Use this control to adjust the high-range response.

When the control is set to the center position, the frequency characteristic curve (above 1,000 Hz) is flat. Turn the control clockwise to increase the treble response and counterclockwise to decrease it.

7 BALANCE (Balance control)

Use this control to balance the volume levels between left and right channels. The volume levels in both channels are equal when the control is set to the center position.

8 VARIABLE LOUDNESS (Loudness control)

At low volumes, the human ear is less sensitive to low (BASS) and high (TREBLE) frequencies. Use this control to compensate for this deficiency when listening at low volume levels. Turn this control counterclockwise until a natural balance of bass and treble sound has been restored.

9 MASTER VOLUME (Volume control)

This knob is used to adjust the volume level of both channels.

Turn the knob clockwise to raise the volume and counterclockwise to lower it.

10 FUNCTION (Input selector buttons)

These buttons are used to select the audio input source.

- PHONO: Press to play a record on a record player connected to the PHONO input jacks.
- CD: Press to listen to a compact disc player or another component connected to the CD input jacks.
- TUNER: Press to listen to FM or AM programs.
- VIDEO: Use when playing back the audio from a Hi-Fi video, video disc player or other component connected to the VIDEO terminal.

* If a function switch is pressed quickly, the function may not actually change and no signal may be heard from the speakers for an instant. To avoid this, be sure to press function switches carefully.

10a BAND (Band selector button)

Press this button to select the FM or AM band, when the set is TUNER function.

11 Tape selector (Tape selector / monitor buttons)

TAPE-1: Press this button once, TAPE-1 indicator will light up and then you can play tape source on TAPE-1 terminal.

In this state you can copy TAPE-1 source to TAPE-2 terminal.

TAPE-2/VCR: Press this button once, TAPE-2 indicator will light up and then you can play tape or video source of TAPE-2/VCR terminal.

Press again the button currently accessed, to play sources selected by input selector 10, indicator goes out.

12 RDS button

This button is used for the RDS search (refer to page 11) and PTY search (refer to page 11), and TP search (refer to page 11) operations, and to input the station name. (refer to page 12.)

13 RT (Radio Text) button

This button is used for displaying radio text messages.

When this button is pressed while the station currently tuned in is offering a radio text message service, the message scrolls on the display.

This mode turns on and off each time the button is pressed. (refer to page 11.)

14 EON-TA button

When a traffic announcement begins on a station in the same network as the station currently tuned in, that network station is automatically tuned in, and the previous station is tuned back in once the traffic announcement is over.

This button is used to turn this mode on and off.

If the station switches from the current station to the network station when this mode is on but the network station cannot be received properly due to weak signals, the previous station is immediately tuned back in. (Refer to page 12.)

15 MODE (Tuning mode button)

This switches between auto and manual tuning.

Auto tuning: When the UP button 16 is pressed, the radio is tuned automatically to a higher frequency. Press the DOWN button 16 to tune to a lower frequency. Use this position to eliminate noise when no signals or weak signals are being received.

Manual tuning: In this position, the radio can be tuned manually. Reception is automatically monaural when in the manual mode.

16 TUNER (Tuning up / down buttons)

Use these to change the received frequency to a higher frequency (UP) or a lower frequency (DOWN).

When writing station names, use these buttons to select the letters. (Refer to page 12.)

17 MEMORY (Memory button)

This switch is used to store the desired radio station to a memory.

• Presetting stations

After pressing the MEMORY button, press the SHIFT/PTY button to select the memory block, A to E. Now use the PRESET UP and DOWN buttons to specify the preset channel number. Press the MEMORY button again to store the station at the specified preset channel.

18 TUNING PRESET (Preset station buttons)

These buttons are used for storing stations or recalling stations which have been preset. Using the SHIFT/PTY button you can preset a total of 40 FM or AM stations into preset channels.

Once a radio has been memorized, the same station can later be tuned in instantly simply by recalling the corresponding preset channel with PRESET UP or DOWN button.

DISPLAY

20 RDS indicator

This lights when receiving RDS broadcasts, and flashes during the RDS search operations.

21 EON indicator

This lights when receiving EON information.

22 TA (Traffic Announcement) indicator

This lights when receiving traffic announcements.

23 TP (Traffic Programme) indicator

This flashes during the TP search operation and lights when TP stations are tuned in.

24 RT indicator

This lights when the RT (Radio Text) button is pressed.

25 PTY indicator

This flashes during the PTY (Programme type) search operation.

26 TUNED indicator

This lights when a station is properly tuned in.

27 STEREO indicator

This lights when receiving stereo broadcasts. It remains off when receiving AM broadcasts.

19 SHIFT / PTY button

Use this button to select the memory blocks, A (1 to 8), B (1 to 8), C (1 to 8), D (1 to 8) or E (1 to 8).

For PTY search, use this button to select the program type.

When writing station names, use this button to set the writing position.

28 AUTO indicator

This indicates the tuning mode. It lights in the auto mode, and remains off in the manual mode.

29 MEMO indicator

This indicator lights for approximately 10 seconds when the MEMORY button has been pressed and a station can be stored on a PRESET CHANNEL button.

This flashes continuously during the auto memory operation.

30 CH indicator

This lights when the preset channel number and shift mode (A, B, C, D or E) are displayed.

31 TAPE-1 / TAPE-2 indicator

The TAPE-1 indicator lights when the TAPE-1 source is selected with the tape selector buttons. The TAPE-2 indicator lights when the TAPE-2/VCR source is selected.

32 Multi function display

This displays the frequency, station name, programme type, etc.

REAR PANEL

1 FM ANT (FM antenna terminals)

75-Ω/ohms coaxial cable can be connected to this terminal. For antenna connecting procedure, refer to page 9 and 10.

2 AM ANT (AM antenna terminals)

Connect the attached AM loop antenna. (Refer to page 9 and 10 for connections).

3 GND (Grounding terminal)

The grounding wire of the turntable is connected here.

- Hum or noise may be generated if the grounding wire is not connected.

4 PHONO (Phono input terminals)

The output cord of the turntable is connected here.

Since the input sensitivity of "PHONO" is extremely high, do not use the unit without the input pin cord. If used without this cord, the speakers may generate hum.

5 CD

The output cord of the CD player is connected here.

6 VIDEO

The audio outputs of VIDEO equipment, such as a VCR or Video Disc may be connected here.

7 TAPE-1, TAPE-2/VCR (Tape deck playback/recording terminal)

Two tape decks or tape deck and VCR can be connected to these jacks for full-fledged playback, recording and tape dubbing operation.

8 SPEAKER SYSTEMS (Speaker terminals)

Two pairs of speakers A and B can be connected to these terminals.

9 AC OUTLET (AC power outlets)

This AC outlet is controlled by the power switch. Maximum capacity is 100 W.

10 AC CORD (Power cord)

Connect this cord into the wall outlet.

11 VIDEO (Video input/output terminals)

As a full-featured AV center, this receiver makes possible connection of a TV monitor, VCR and/or a video disc player (Video) to these jacks.

① Simulcast monitor

Select the desired audio source after selecting VIDEO function. You can monitor the selected audio source with the picture from the VIDEO input.

② VCR monitor

When the TAPE-2/VCR is selected, you can only monitor the sound and picture from the TAPE-2/VCR input.

Even you select the audio source after selecting TAPE-2/VCR, the sound and picture remains TAPE-2/VCR.

③ Simulcast copy

If you select the audio source after selecting VIDEO function, you can record the selected audio and picture from VIDEO input into VCR.

CAUTION

Protective Circuit

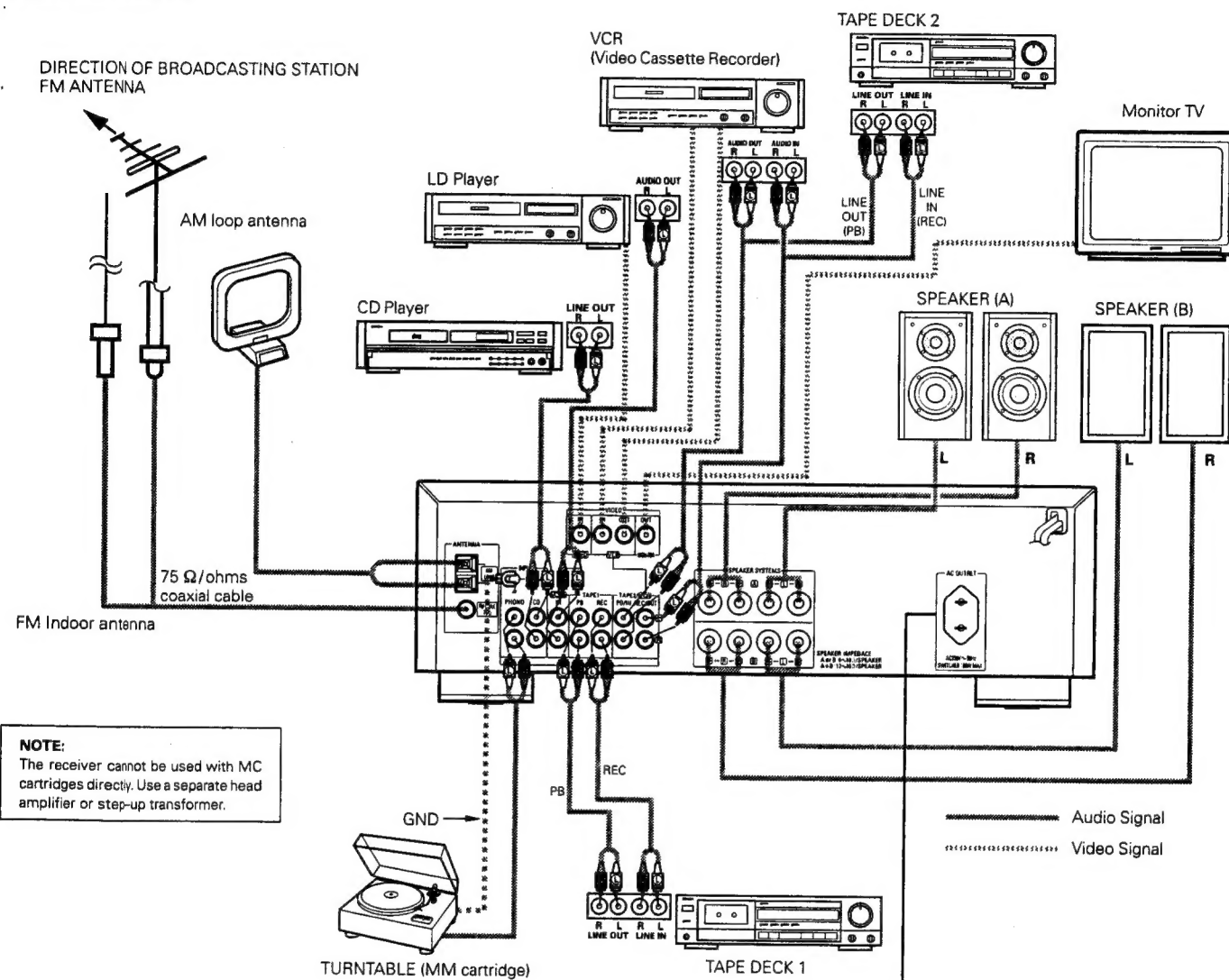
This set is equipped with a high speed protective circuit. This circuit protects the internal circuitry from damage due to large currents flowing when the speaker jacks are not completely connected or when an input is generated by a short circuit.

This protective circuit's operation cuts off the output to the speakers. In such a case, be sure to turn the power to the set off and check the connections to the speakers. Then turn the power on again. After muting for several seconds, the set will operate normally.

NOTES

- This receiver has a full back-up system. When the power is turned on, the FUNCTION is set automatically to the last mode before the power was turned off.
- When using this receiver in close proximity to video equipment (TV, VCR, VDP, etc.), noise may be generated in AM broadcasts. To avoid this, keep the receiver as far away from other video components as possible, or place the AM loop antenna where noise is reduced. If the noise is not reduced, turn off the power of the video components when listening to AM broadcasts.

CONNECTIONS



NOTE:
The receiver cannot be used with MC cartridges directly. Use a separate head amplifier or step-up transformer.

AC OUTLETS

- **SWITCHED** (total capacity – 120 W 1A.)
The power to this outlet is turned on and off in conjunction with the POWER switch on the front panel, and when the power is switched between on and standby from the remote control unit. No power is supplied from these outlets when the power is at standby. Never connect equipment whose total capacity is above 120 W (1A.)

NOTE:

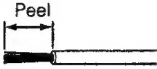
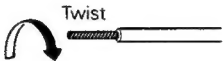
Only use the AC outlets for audio equipment. Never use them for hair driers, TVs or other electrical appliances.


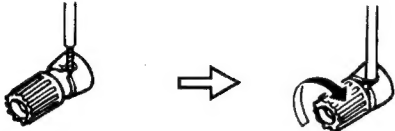
Notes on Connection

- Do not plug the power cord into the AC wall outlet until all connections have been completed.
- Make sure channels are correctly connected. Connect Left channels to Left channels and Right channels to Right channels. Follow the color markings of plugs and terminals to make sure mistakes are not made.
- Connect all pin-plugs securely, pushing them completely into the jacks. Incomplete connections will cause noise generation.
- Binding the connection cables to power cords, or running such cables close to power supply transformers will cause humming or noise, and should thus be avoided.

SPEAKER CONNECTION

Confirm polarity (+, -) and left and right channels (L, R). Connect the speaker pairs to the SPEAKER terminals A or B on the back panel. Connections must be made with power cord disconnected.

Preparing the cord	
1. Peel off the sheath.	
2. Twist the wires.	

Connecting the front speaker terminals	
1. Loosen by turning counterclockwise.	
2. Insert the cord and tighten by turning clockwise.	

• Speaker Impedance

- When speaker systems A and B are used separately, speakers with an impedance of from 6 to 16 Ω /ohms can be connected.
- Be careful when using two pairs of speakers (A + B) at the same time, since use of speakers with an impedance outside the range of 12 to 16 Ω /ohms will lead to damage.
- The protection circuit may operate or damage may occur when speakers with an impedance outside of the above range are used.

ANTENNA INSTALLATION

• FM ANTENNA

The supplied indoor FM antenna can be used inside wooden houses for receiving local FM stations and other strong FM signals. Stretch out the ends of the antenna and mount the antenna on the wall or ceiling where optimum reception is achieved. A indoor FM antennas may not consistently ensure stable reception, due to environment changes. In such cases, the indoor FM antenna should only be used temporarily until an outdoor FM antenna has been installed.

When connecting an outdoor FM antenna, the use of 75 Ω /ohms coaxial cable (3C-2V, 5C-2V) is strongly recommended.

Note:

- Do not connect two FM antennas simultaneously.

• AM LOOP ANTENNA

Tune in an AM station, listen to the sound, then install the antenna in a position as far from the set as possible in which distortion and noise are minimum. Good reception of AM stations is not possible if the loop antenna is not connected or if it is touching metal objects.

USING THE VARIOUS FUNCTIONS

1. Presetting stations in the memory

The frequency and the name of the radio station (including names which you have input yourself), are also stored in the memory.

In particular, the various RDS functions can be used effectively when RDS stations are stored in the memory.

How to preset the memory.

Press the MEMORY button (17). The "MEMO CH" indicator on the display flashes. Next, use SHIFT/PTY button (19) to select the memory block A, B, C, D or E. Now press the TUNING PRESET UP or DOWN button (18) to specify the preset channel number, and then press the MEMORY button (17) to store the station in the memory.

The preset channel numbers for the different memory blocks are as follows.

Memory block A	: 1 to 8
Memory block B	: 1 to 8
Memory block C	: 1 to 8
Memory block D	: 1 to 8
Memory block E	: 1 to 8

2. Auto Memory (FM only)

The DRA-375RD/DRA-275RD is equipped with an auto memory function.

Connect the antenna, set it so that stations can be received, then hold in the MEMORY button and press the POWER button to turn the power on. Stations for which the auto tuning function operates are stored in the preset memory in the order A1 to A8, B1 to B8, and so on, through E8.

Channel A1 is tuned in after the auto memory operation is completed.

Using this function makes it possible to find out the overall reception conditions of the receivable stations. The memory can be used effectively by recalling the channels in the preset memory and replacing stations whose reception is poor with stations whose reception is good, using the procedure described in 1 above.

3. Recalling preset stations

Use the SHIFT/PTY button (19) to select memory block A, B, C, D or E, then press the TUNING PRESET UP or DOWN button (18) to recall the station stored in the memory.

If the TUNING PRESET UP or DOWN buttons are pressed without pressing the SHIFT/PTY button (19), the stations are recalled in the order A1 to A8, B1 to B8, and so on, through E8.

4. RDS search (for FM only)

Use this function to automatically tune to stations offering Radio Data Service.

This operation is also possible by pressing the TUNER button on the remote control unit once when the function is set to the TUNER mode.

Operation	Display
1. Press the RDS button (12) once.	RDS SEARCH ↓
2. Press the TUNING PRESET UP or DOWN button (18).	"RDS SEARCH" flashes on the display. (Preset memory channels A1 to E8 are being searched.) If no RDS station is found with the above operation, all the reception bands are searched. The station name is displayed, when the RDS station is tuned. RDS search starts again.
3. Press the TUNER UP or DOWN button (16) again while the RDS mark is flashing. (If no other RDS station is found when all the frequencies are searched, "NO RDS" is displayed.)	

5. PTY search (for FM only)

Use this function to find stations broadcasting a designated type of programme type (PTY).

This operation is also possible by pressing the TUNER button on the remote control unit twice when the function is set to the TUNER mode. Next, press the PANEL button on the remote control unit, select the PTY category, then press the TUNING PRESET UP or DOWN buttons to start the PTY search function in the specified direction.

Operation	Display
1. Press the RDS button (12) twice.	PTY SEARCH ↓
2. Press the SHIFT/PTY button (19).	Programme type or PTY. Designated programme type. (Always do this to designate the programme type if "PTY" is displayed in step 1.)
3. Press the TUNING PRESET UP or DOWN button (18).	"PTY SEARCH" flashes on the display. (Preset memory channels A1 to E8 are being searched.) If there is no station broadcasting the designated programme type with the above operation, all the reception bands are searched. The station name is displayed after searching stops. PTY search starts again.
4. Press the TUNING PRESET UP or DOWN button again while the PTY mark is flashing. (If no other station broadcasting the designated programme type is found when all the frequencies are searched, "NO PROGRAMME" is displayed.)	

* The programme types which can be displayed are listed on page 12.

6. TP search (for FM only)

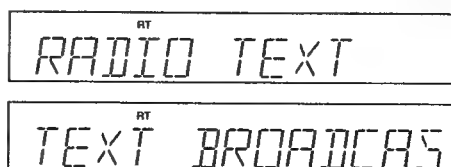
This function is used to find stations scheduled to broadcast traffic programmes (TP stations).

This operation is also possible by pressing the TUNER button on the remote control unit three times when the function is set to the TUNER mode.

Operation	Display
1. Press the RDS button (12) 3 times.	TP SEARCH ↓
2. Press the TUNING PRESET UP or DOWN button (18).	"TP SEARCH" flashes on the display. (Preset memory channels A1 to E8 are being searched.) If no TP station is found with the above operation, all the reception bands are searched. The station name is displayed after searching stops. TP search starts again.
3. Press the TUNING PRESET UP or DOWN button again while the TP mark is flashing. (If no other TP station is found when all the frequencies are searched, "NO PROGRAMME" is displayed.)	

7. RT (Radio Text) (for FM only)

When the RT button (13) is pressed while the station currently tuned in is offering a radio text message service, the message scrolls on the display.
(The RT indicator lights when the RT button is pressed.)



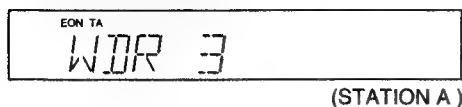
("NO TEXT DATA" is displayed if no radio text message is being broadcast.)

8. EON-TA

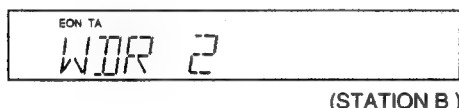
When an RDS station is broadcasting RDS information on other stations within the same network and a traffic announcement begins on another station in the same network based on this information (EON = Enhanced Other Network), that network station is automatically tuned in. The previous station is tuned back in once the traffic announcement is over.

Operation

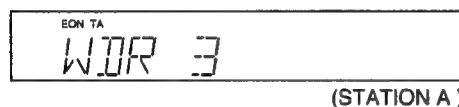
1. Press the EON-TA button **14**.
(The EON TA indicator lights.)



(When a traffic announcement starts, that station is automatically tuned in.)



(When the traffic announcement is over, the previous station is tuned back in.)



NOTE:

1. Be sure to turn the EON-TA mode off when recording programmes.
2. In the EON-TA mode, if the station is switched from the current station to another station in the network but the signals of that network station are weak and it cannot be tuned in properly, "WEAK SIGNAL" is displayed and the original station is immediately tuned back in.

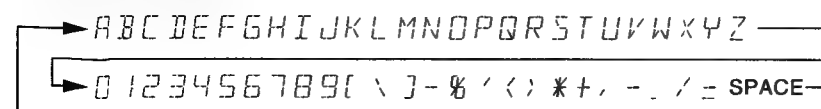
* The following programme types (PTY) can be designated:

NEWS	NEWS
AFFAIRS	AFFAIRS
INFORMATION	INFORMATION
SPORT	SPORT
EDUCATION	EDUCATION
DRAMA	DRAMA
CULTURE	CULTURE
SCIENCE	SCIENCE
VARIED	VARIED
POP MUSIC	POP MUSIC
ROCK MUSIC	ROCK MUSIC

M.O.R MUSIC	M.O.R. MUSIC
L-CLASSICS	LIGHT CLASSICS
S-CLASSICS	SERIOUS CLASSICS
OTHER MUSIC	OTHER MUSIC

Table of characters

The characters are input in the order shown to the right. Use the TUNER UP/DOWN buttons **15** to select the desired characters.



3. In the EON-TA mode, the station does not switch to another station in the network if the current station is broadcasting a traffic announcement.
4. Since the RDS services offered differ from station to station, some RDS functions may not operate for some stations, but this is not a malfunction.

9. Writing station names

You can write in station names yourself.

(Up to 8 characters)

(Refer to the table of characters on page 12.)

Operation	Display
1. Press the RDS button 4 times.	First space flashes.
2. Use the TUNER UP and DOWN buttons 15 to select the desired characters.	First letter flashes.
3. Use the SHIFT/PTY button 19 to move to the next place.	Specified place flashes.
4. After writing the entire station name, store it in the memory. (refer to page 7.)	

Each operation should be completed while the specified place is flashing.

NOTE: This unit may not identify RDS stations as such if the paging station provides multiple RDS data. Tuning may not stop at such stations during the RDS search and PTY search operations.

RDS Emergency Alarm

"ALARM" will flash on the display when the unit receives the Emergency Programme Type Code (PTY31) from an RDS station.

This feature may not operate properly if the signal from the RDS station is too weak or is subjected to interference.

It is not possible to select the "ALARM" display from the PTY search mode.

10. Clearing station names

1. Recall the station name you want to clear.
2. Press the RDS button 4 times until the character at the first place flashes.
3. Then press the SHIFT/PTY button for at least 2 seconds. The current station name will then be cleared.

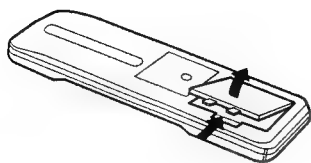
Note: Station names must be stored in a preset memory to be retained. If the power is turned off, or if the band (AM/FM) is changed, the station name will be lost. Be sure to store the entered station name in a Preset Memory before changing the band or turning the power switch OFF.

PLAYBACK USING THE REMOTE CONTROL

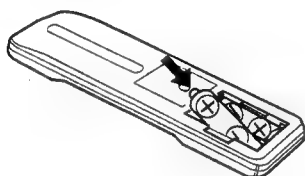
The accessory RC-B12 remote control unit is used to control the RECEIVER from a distance.

(1) Inserting the dry cell batteries

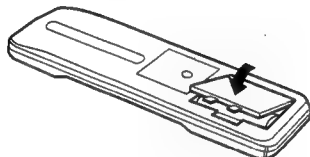
- 1 Remove the rear cover on the remote control unit.



- 2 Insert two size "AA" (R6) dry cell batteries as shown in the diagram on the battery supply unit.



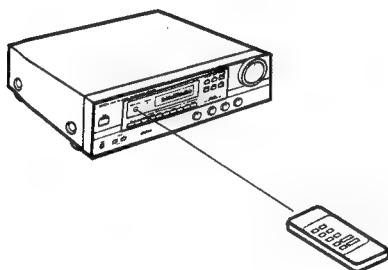
- 3 Close the rear cover.



Notes on Use of the Batteries

- The remote control unit uses size "AA" (R6) dry cell batteries.
- The batteries will need to be replaced approximately once a year. This will depend upon how often the remote control is used.
- If, in less than a year from the time new batteries were inserted, the remote control fails to operate the receiver from a near-by position, it is time to replace the batteries.
- Insert the batteries properly, following the diagram on the remote control battery supply unit, and making sure to align the plus and minus sides of each battery.
- Batteries are prone to damage and leakage. Therefore:
 - Do not combine new batteries with used ones.
 - Do not combine different types of batteries.
 - Do not jumper the opposite poles of the batteries, expose them to heat or break them open, or put them into open fire.
- When the remote control is not to be used for a long period of time, remove the batteries from the unit.
- If the batteries have leaked, remove any battery fluid from the inside of the battery supply unit by wiping it out thoroughly, and insert new batteries.

(2) Directions for use



- Operate the remote control unit while pointing it towards the remote control sensor on the receiver as shown in the diagram left.
- The remote control unit can be used at distances up to about 7 meters in a straight line from the receiver. This distance will decrease if there are obstructions blocking the infra-red light transmission or if the remote control unit is not directed straight at the receiver.

Note on Operation

- Do not press the operating buttons on the receiver and the remote control unit at the same time. This will cause misoperation.
- Operation of the remote control unit will become less effective or erratic if the infrared remote control sensor on the receiver is exposed to strong light or if there are obstructions between the remote control unit and the sensor.
- In case you operate your VCR, TV or other components by remote control, do not operate buttons on two different remote control units at the same time. This will cause misoperation.

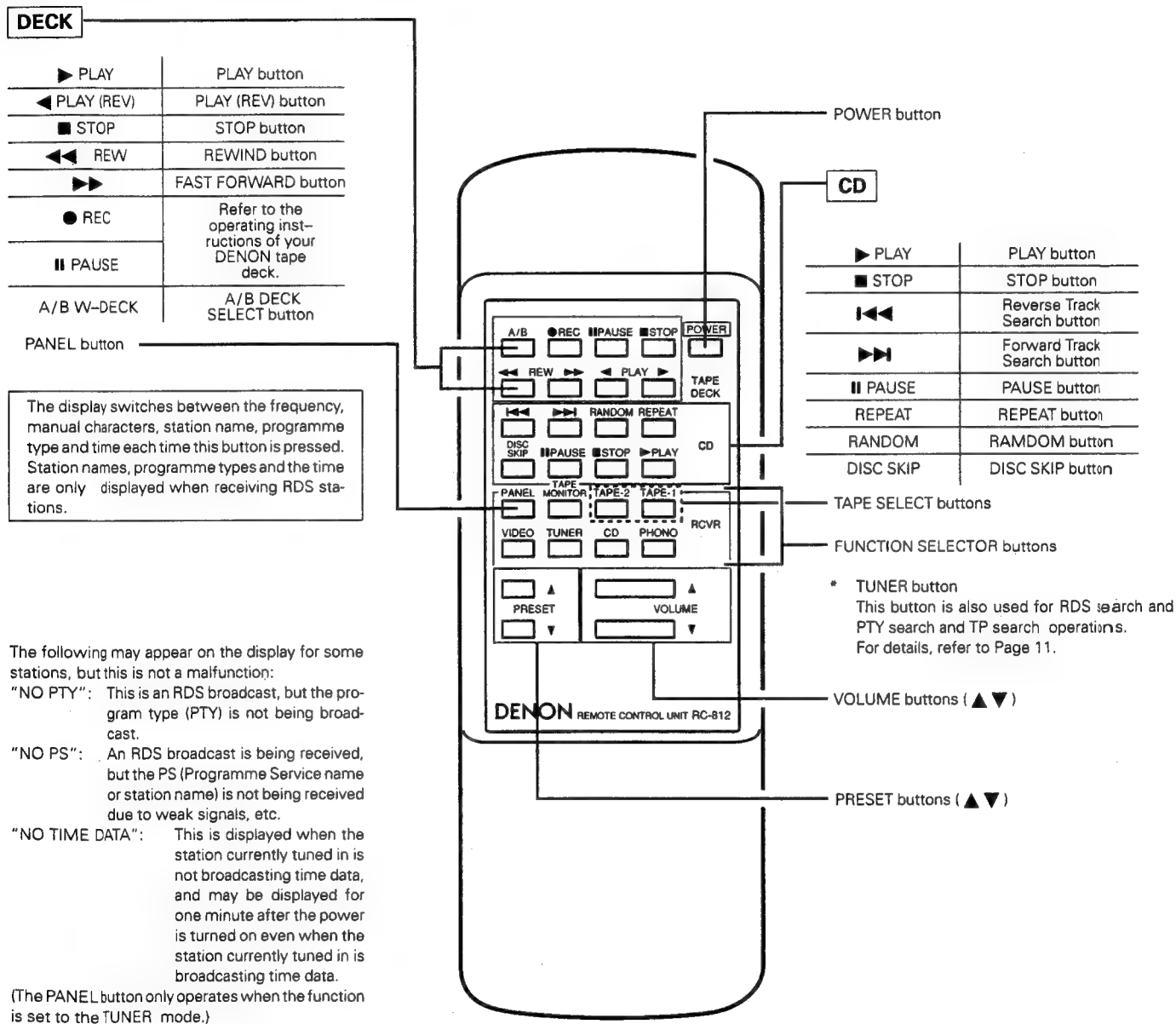
Besides being able to operate the DRA-375RD/275RD receiver with this remote control unit, you can also operate a DENON cassette deck and CD player from this handy full-system remote control unit.

Remote Control Section

Full-system Remote Control Unit

The full-system remote control unit operates all major functions of the receiver such as function switching, volume control, and preset station selection. But that's not all! The same control pad can also control the major functions of a DENON CD player and cassette deck to create a remarkably ergonomic and versatile DENON system with all the quality sound reproduction that the devoted audiophile expects.

Remote Control Unit RC-812 supplied with DRA-375RD/275RD



- The RC-812 Remote Control Unit can control CD players and cassette decks made by DENON.
- Note that operation may not be possible for some models.
- Buttons are conveniently separated into groups, each group controlling one specific component. The groups are RECEIVER, CD and DECK.

For details on operating other components, refer to the instruction manuals for the CD player and/or cassette deck.

CAUTION:

- If the power is turned off with the remote control unit, the receiver is switched to the power stand-by state. If you are to be absent for a long period of time, be sure to turn the power off using the POWER switch on the receiver.
- A part of 1st digit of fluorescent display light while the receiver is in the power stand-by state.
- You may experience erratic operation of the remote control unit if it is operated in fluorescent light and direct sunlight, in particular if this light strikes the remote control sensor on the receiver. However, this is not a malfunction, and if this should happen, protect the sensor against such light.

TROUBLESHOOTING

1. Have all connections been made PROPERLY?
2. Have you followed all operational instructions correctly?
3. Are the speakers, turntable, and other components operating properly?

When your unit does not seem to be operating correctly, first check the items in the following table. If the symptom does not correspond to any of the problems as shown below, turn off the power sources immediately and contact your DENON dealer.

Problem	Cause	Remedy
FM AND AM RECEPTION		
Radio program can not be received.	<ul style="list-style-type: none"> • Antenna connection is wrong. • A signal strength is weak. 	<ul style="list-style-type: none"> • Check the connection. • Check the antenna installation.
Noise is reproduced.	<ul style="list-style-type: none"> • A signal strength is weak. • Automobile ignition noise interferes with reception. • Other electrical equipment interferes with reception. 	<ul style="list-style-type: none"> • Install an outdoor antenna. • Keep the antenna away from the street. • Keep the equipment away from this set, or turn off the power of the other equipment.
The preset frequencies are erased.	<ul style="list-style-type: none"> • The memory back-up term (about 1 month) passed. 	<ul style="list-style-type: none"> • Preset again.
In automatic tuning, the frequency doesn't stop at the radio station.	<ul style="list-style-type: none"> • A signal strength is weak. 	<ul style="list-style-type: none"> • Use manual tuning.
In automatic tuning, it stops at the one step lower or higher frequency than the radio station.	<ul style="list-style-type: none"> • Noise or strong signal strength is received. 	<ul style="list-style-type: none"> • Use manual tuning for optimum reception.
PLAYBACK OF THE AUDIO EQUIPMENTS		
No sound is produced with power on.	<ul style="list-style-type: none"> • Input and speaker cords connection are wrong. • Speaker switch is off. • The FUNCTION buttons are in wrong position. • The protective circuit is operating. • The fuse has blown out. • The power switch was set to OFF the last time the power was turned off from the remote control unit. 	<ul style="list-style-type: none"> • Check the connection. • Turn on speaker switch. • Check these position. • Turn the power off once, check the connections to the speakers, then turn the power on again. • Ask your dealer, or the nearest DENON representative. • Set the power switch to ON, then turn the power on from the remote control unit. Or, push the power switch on the front panel, twice.
Audible hum when playing records.	<ul style="list-style-type: none"> • The input and grounding cords connection of the turntable are wrong. • The cords connection of the cartridge are wrong. • The interference from the nearby TV or radio transmission antenna. 	<ul style="list-style-type: none"> • Check the connection. • Check the connection. • Ask your dealer, or the nearest DENON representative.
Howling is produced when the volume control is turned up too high while playing records.	<ul style="list-style-type: none"> • The vibrations and sounds transmit from the speakers to the turntable. 	<ul style="list-style-type: none"> • Insulate the vibrations, or keep the speakers away from the turntable.
Cracking noise is produced when playing records.	<ul style="list-style-type: none"> • The record is stained with the dust. • The stylus tip of the cartridge is stained with the dust. • The cartridge is defective. 	<ul style="list-style-type: none"> • Clean the record. • Clean the stylus tip. • Try the other cartridge.

SPECIFICATIONS

AMPLIFIER SECTION

Continuous Power Output: **DRA-375RD:** 60 watts per channel minimum RMS, both channels driven at 8 Ω /ohms from 20 Hz ~ 20 kHz no more than 0.05% total harmonic distortion.

DRA-275RD: 40 watts per channel minimum RMS, both channels driven at 8 Ω /ohms from 20 Hz ~ 20 kHz no more than 0.05% total harmonic distortion.

Power Bandwidth (IHF): 10 Hz ~ 40 kHz (T.H.D. 0.15% both channels driven into 8 Ω /ohms)

Total Harmonic Distortion: 0.03% (-3 dB at rated output, 8 Ω /ohms)

Frequency Response: PHONO RIAA Standard Curve (Recording Output)

MM 20 Hz ~ 20 kHz \pm 0.5 dB
CD, VIDEO, 20 Hz ~ 50 kHz \pm 1.5 dB
TAPE-1, (at 1W)
TAPE-2/VCR

Input Sensitivity and Impedance:

PHONO MM 2.5 mV 47 k Ω /k ohms
CD, VIDEO, 150 mV 47 k Ω /k ohms
TAPE-1, TAPE-2/VCR

Maximum Input Level (at 1 kHz):

PHONO MM 180 mV

Signal to Noise Ratio (IHF-A):

PHONO MM 78 dB (at 5.0 mV input)
CD, VIDEO, 95 dB
TAPE-1, TAPE-2/VCR

Tone Controls:

BASS \pm 10 dB at 100 Hz
TREBLE \pm 10 dB at 10 kHz

Loudness, Control Effect:

VARIABLE LOUDNESS
50 Hz/10 kHz, + 10 dB/ + 5 dB

VIDEO SECTION

Input terminal: VCR-IN, VIDEO 1 Vp-p/75 Ω /ohms

Output terminal: VCR-OUT, MONITOR 1 Vp-p/75 Ω /ohms

Frequency response: 5 Hz ~ 6 MHz \pm 1.5 dB

TUNER SECTION

[FM] (note: μ V at 75 Ω /ohms, 0 dBf = 1×10^{-15} W)

Receiving Range: 87.50 ~ 108.00 MHz

Usable Sensitivity: 0.9 μ V (10.3 dBf)

50 dB Quieting Sensitivity: MONO 1.6 μ V (15.3 dBf)
STEREO 23 μ V (38.5 dBf)

Signal to Noise Ratio

(IHF-A): MONO 82 dB
STEREO 78 dB

Total Harmonic Distortion

(at 1 kHz): MONO 0.1%
STEREO 0.15%

Capture Ratio: 1.5 dB

Image Rejection: 42 dB

AM Suppression: 50 dB

Selectivity (\pm 400 kHz): 55 dB

Frequency Response: 30 Hz ~ 15 kHz \pm 0.2 dB

Stereo Separation

(at 1 kHz): 40 dB

[AM]

Receiving Range: 522 ~ 1611 kHz

Usable Sensitivity: 18 μ V

Signal to Noise Ratio: 55 dB

GENERAL

Power Supply:

AC 230V 50 Hz

Power Consumption:

150 W (DRA-375RD)

120 W (DRA-275RD)

Dimensions:

434 mm (W) \times 142 mm (H)
 \times 315 mm (D) (DRA-375RD)
434 mm (W) \times 142 mm (H)
 \times 315 mm (D) (DRA-275RD)

Weight:

6.7 kg (DRA-375RD)
5.9 kg (DRA-275RD)

REMOTE CONTROL UNIT

Remote control system: RC-812

Power supply: Infrared pulse system
3V DC Two size "AA" (R6)
dry cell batteries

External dimensions:

60 mm (2-23/64")W \times 175 mm (6-57/64")H
 \times 18 mm (45/64")D

Weight:

120 g (4 oz) (Includes batteries)

Design and specifications are subject to change without prior notice.

DENON SERVICE NETWORK / 服務網絡

- Please contact one of our overseas service centers, listed below, for follow-up service consultation.
- Wenden Sie sich für anfallende Wartungs- bzw. Reparaturarbeiten bitte an eine der folgend aufgeführten Kundendienststellen.
- Adressez-vous à nos centres de service d'outre-mer indiqués ci-dessous, pour le service après-vente.
- Per il servizio dopo vendita rivolgete Vi al nostro centro di servizio estero appropriato della lista seguente.
- Para consultas de servicio porfavor dirigirse a cualquiera de nuestros centros de servicio en el extranjero, enlistados abajo.
- Neem kontakt op met één van onze reparatie-inrichtingen in het buitenland, waarvan hier een lijst volgt, voor na-service.
- Ta kontakt med nedan angivna servicecentraler för rådfrågning om servicearbeten efter försäljningen.
- Favor contactar um de nossos centros de serviços internacionais, abaixo listados, para consulta de serviços de acompanhamento.
- 請向下表所列本公司海外服務中心查詢售後服務事宜。

Australia	AWA Limited. 112-118 Talavera Road, North Ryde NSW 2113, Australia, Postal Locked Bag No. 12, North Ryde. Tel: (02) 888-9000, Fax: (02) 888-9310, Telex: AA 22692
Austria	Digital-Professional-Audio Vertriebsges.m.b.H., 1170 Wien, Rupertusplatz 3 Tel: 0222-4501006-9, Fax: 0222-457679
Belgium	Transtel-Sabima P.V.B.A. Harmoniestraat 13, 2018 Antwerpen 1, België Tel: 03-237-3607
Canada	Denon Canada Inc. 17 Denison Street, Markham Ontario, Canada L3R 1B5 Tel: 905-475-4085
China	Shanghai Denon Products Service Co., Ltd. 638 Hua Shan Road, Jingan-qu, Shanghai Tel: (21) 248-6226
Czechoslovakia	EUROSTAR OSTORAVA s.r.o. Za Vokovikou vozovnou 369/5, 161 00 Praha 6 Tel: 2-316-3690 Fax: 2-316-6852
Denmark	Audionord Danmark A/S. Vester Alle 7, 8000 Århus C. Tel: 86-128811
Finland	Suomen Hi-Fi Klubi OY Nylandsgatan 4-6, Helsingfors Tel: 0644401
France	Denon France S.A. 3 Boulevard Ney, 75018 Paris Tel: (1) 40 35 14 14
F.R. Germany	Denon Electronic GmbH Halskestraße 32, 40880 Ratingen Tel: 02102-4985-0
Greece	Kinotechniki Ass. 47 Stournara Str., Athens Tel: 3606 998
Hong Kong	Denon Hong Kong Ltd., 11/F North, Somerset House 979 King's Road, Quarry Bay, Hong Kong Tel: 516-6862, Fax: 516-5940
Iceland	Japis Ltd. Brautarholt 2, Box 396, 101 Reykjavik, Iceland Tel: 27133
Indonesia	PT Autoaccindo Jaya. Cideng Barat No. 7 Jakarta, Indonesia Tel: 3852720
Italy	Melchioni S.P.A. Via P. Colletta 37-20135 Milano Tel: 02-57941
Korea	Daiyoung Industrial Co., Ltd. 1027-5 Bangbae-dong, Socho-gu, Seoul 137-060 Tel: (02) 588-3960
Malaysia	Pertama Audio Sdn. Bhd. 44-46 Jalan SS 22/21 Damansara Jaya, 47400 Selangor, Malaysia Tel: 719 3957
Mexico	Labrador, S.A. de C.V. Zamora No. 154 Col. Condesa 06140 Mexico, D.F. Tel: 286 55 09 Fax: 286 34 62
Netherlands	Penhold B.V. Isarweg 6, 1043 AK Amsterdam Tel: 020-611-4957
New Zealand	Avalon Audio Corp. Limited 119 Wellesley Street, Auckland 1, New Zealand Tel: 09-779-351, 09-775-370
Norway	Hi-Fi Klubben Box 70 Ankertorget, 0133 Oslo 1 Tel: 02-112218
Philippines	Avesco Marketing Corporation, Aurora Blvd. cor Yale, Cubao, Q.C., PHILS. Tel: 912-8881, Fax: 912-2999
Poland	HORN DISTRIBUTION ul. Nowoursynowska 131R (wjazd od ul. Rosota) 02-975 Warszawa Tel: 22-649-3071 Fax: 22-649-3199
Portugal	Videoacustica Qta. Do Paizinho-Armazém 5-Estrada De Circunvalação-Apart. 3127 1303 Lisboa Codex Tel: 2187004/2187096
Singapore	Pertama Audio Pte. Ltd. Alexandra Distripark Blk 4, No. 03-39 Pasir Panjang Road, Singapore 0511 Tel: 278-4411
Spain	Gaplaza S.A. Conde de Torroja, 24, 28022 Madrid Tel: 747-7777
Sweden	Sveriges Hi-Fi Klubb Box 5116, S-402 23 Göteborg, Tel: 031-200040
Switzerland	Diethelm & Co., AG. Grindelsstrasse 5, 8303 Bassersdorf Tel: 01-838-1611
Taiwan R.O.C.	Taiwan Kolin Co., Ltd. 10th Fl., 86, Sec. 1, Chung-king S. Rd., Taipei, Taiwan R.O.C. Tel: (02) 314-3151 (20 Lines), Fax: (886) 02-3614037 Telex: 11102 TKOLIN
進口廠商	KOLIN 歌林股份有限公司 台北市重慶南路一段86號10樓 電話: (02) 314-3151
Thailand	Mahajak Development Co., Ltd. 6th FL., Mahajak Building, 46 Sukhumvit 3 (Nananua), Klongteoy, Prakanong, Bangkok 10110 Tel: 256-0000
United Kingdom & Eire	Hayden Laboratories Ltd. Hayden House, Chiltern Hill, Chalfont St. Peter Gerrards Cross, Bucks. SL9 9UG Tel: 0753-888447
U.S.A.	DENON ELECTRONICS, a Division of Denon Corporation (U.S.A.) 222 New Road Parsippany, NJ 07054, U.S.A., Tel: 201-882-7490, Fax: 201-575-1213

- * If there is no service center in your local area, consult the outlet where the equipment was purchased.
- * Falls sich in Ihrer Nähe keine Kundendienststelle befindet, wenden Sie sich an das Geschäft, wo das Gerät gekauft wurde.
- * S'il n'y a aucun centre de service dans votre région, consultez votre revendeur.
- * Se nella Vostra zona non c'è il centro di servizio, rivolgete Vi al negozio dove avete acquistato l'apparecchio.
- * Si no hay centros de servicio en su área local, consulte en donde haya comprado su equipo.
- * Als er in uw streek geen reparatie-inrichting is, neemt u kontakt op met de vestiging waar u de apparatuur gekocht heeft.
- * Saknas servicecentral i närheten där du bor, bör kontakt tas med återförsäljaren för apparaten.
- * Se não existir um centro de serviços em sua área local, consulte o estabelecimento onde o equipamento foi adquirido.
- * 若當地無服務中心，可向你購入本機的商號查詢。

NIPPON COLUMBIA CO., LTD.

14-14, AKASAKA 4-CHOME, MINATO-KU, TOKYO 107-11, JAPAN

Telephone: (03) 3584-8111

Cable: NIPPON COLUMBIA TOKYO Telex: JAPANOLA J22591